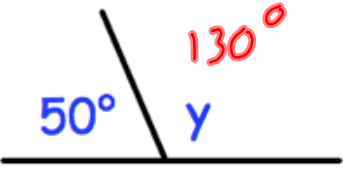
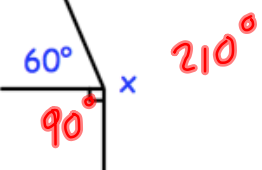


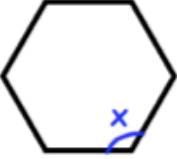


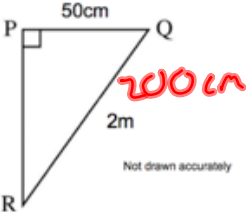
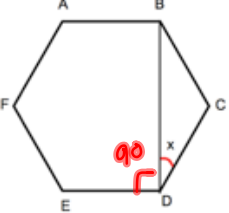
Name: _____

September 4th	5-a-day	Numeracy
$4^2 = 16$ $7^2 = 49$	$14^2 = 196$	
How many minutes are there in two hours? 120	How many days are there in four weeks? 28	
		
Draw a shape with 3 lines of symmetry. 	Draw a shape with no lines of symmetry. 	
Solve $y + 2 = 16$ $y = 14$		

Name: _____

September 4	5-a-day	Foundation
<p>Write $\frac{3}{8}$ as a decimal</p> <p>0.375</p>		
<p>\$1.50 = £1</p> <p>A pairs of trousers costs \$30.</p> <p>Work out the cost in pounds.</p>	<p>£20</p>	
	<p>Shown is a regular hexagon.</p> <p>What is the size of angle x</p> <p>120°</p>	
<p>$1\frac{2}{7} \div \frac{1}{3}$</p>	<p>$\frac{9}{7} \div \frac{1}{3}$</p> <p>$\frac{9}{7} \times 3 = \frac{27}{7}$</p> <p>$3\frac{6}{7}$</p>	
<p>Estimate</p> <p>19.9×5.1</p> <p>0.21</p>	<p>$\approx \frac{20 \times 5}{0.2} = \frac{100}{0.2}$</p> <p>$\frac{1000}{2} = 500$</p>	

Name: _____

September 4	5-a-day Higher
 <p>Calculate the length of PR.</p> $200^2 - 50^2 = 37500$ $\sqrt{37500} = 193.65 \text{ cm}$	<p>Calculate the length of PR.</p> $200^2 - 50^2 = 37500$ $\sqrt{37500} = 193.65 \text{ cm}$
 <p>ABCDEF is regular hexagon. Find x.</p> $\angle EDC = 120^\circ$ $x = 30^\circ$	<p>ABCDEF is regular hexagon. Find x.</p> $\angle EDC = 120^\circ$ $x = 30^\circ$
<p>W is inversely proportional to A squared. When W = 10, A = 2. Find W when A = 4.</p> $W = \frac{40}{A^2}$	$W \propto \frac{1}{A^2} \quad W = \frac{k}{A^2}$ $10 = \frac{k}{4} \quad k = 40$ $W = \frac{40}{16} = 2.5$
<p>Work out</p> $25^{1/2} \div 2^{-2}$ $5 \div \frac{1}{4} = 5 \times \frac{4}{1} = 20$	$a \propto \sqrt{c} \quad W \propto \frac{1}{a^3}$ $a = k\sqrt{c} \quad W = \frac{k}{a^3}$ $35 = k \times 7 \quad 16 = \frac{k}{8} \quad k = 128$ $k = 5 \quad W = \frac{128}{a^3}$
<p>a is directly proportional to \sqrt{c}. w is inversely proportional to a^3. When c = 49, a = 35 When a = 2, w = 16. Find the value of w when c = 4.</p>	$a = 5\sqrt{c}$ $c = 4 \quad a = 10$ $W = \frac{128}{1000} = 0.128$